

STANLEY MITRE BOXES

Instructions For Assembling and Adjusting Nos. 244, 246, 346, 358 and 360

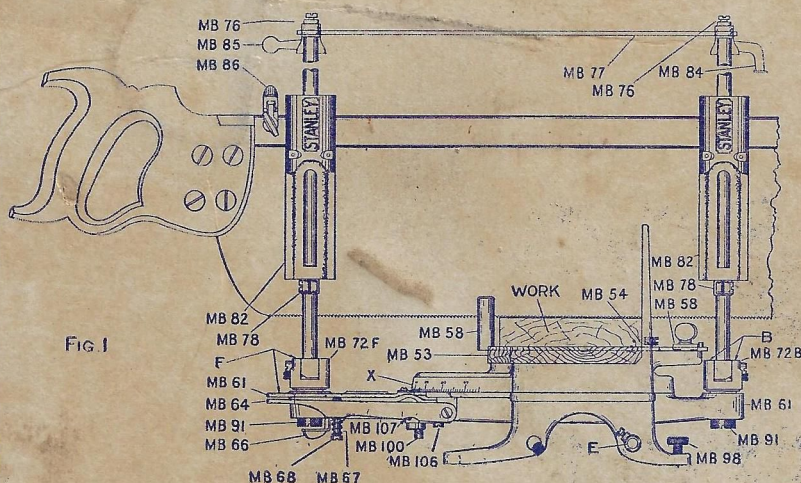
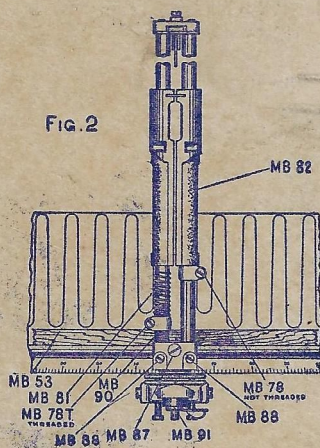


Fig. 2



TO SET UP THE MITRE BOX place the front Upright (stamped "F") in either one of the front holes stamped "F" in the SWIVEL (MB61) and the Upright marked "B" in the rear hole stamped "B" and tighten the clamping screws (MB91). It is important that the letters "F" and "B" on the Upright Bases face to the front. Place the Tie Bar (MB77) in the slots at the top of the Uprights and fasten securely with the screws (MB76), which are designed so that they will not come out and be lost when the rod is removed.

THE SAW GUIDES OR CYLINDERS (MB82) are made and set to use Saws of standard thickness. If a thinner Saw is used, turn the BASES "F" and "B" (MB72) (both in the same direction) slightly in the SWIVEL so that the Saw Guides or cylinders will bear on the blade and hold it true. When properly located tighten the Clamping Screws (MB91).

THE SAW GUIDE DEPTH STOPS—When the Mitre Box leaves the factory the Left or Permanent Stops (MB78T) (See Fig. 2) on the threaded Uprights (MB90) are set correctly, but the Right Stops (MB78) are set high, to prevent the Saw from marring the Board (MB53) before the Mitre Box reaches the user, and they should be dropped down before using the Mitre Box.

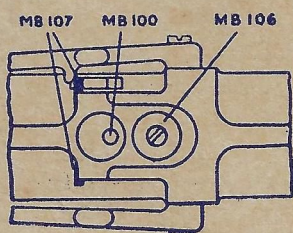
TO SET THE PERMANENT STOPS (MB78T) run the saw forward until the handle touches the front Saw Guide. Then set the Front and Rear Stops so that with the Lifting Spring (MB81) compressed, the saw will cut (Kerf cut) into the Frame Board less than $1/16$ ". With the Lifting Spring released the Saw should be clear of the Kerf cuts so that the Swivel (MB61) can be swung without danger of damaging the saw. It should not be necessary to change this setting until the saw has been so changed by filing that it will not cut thru the work.

TO MAKE A CUT OF PREDETERMINED DEPTH—The right Saw Guide Stops (MB78) are provided so that a board may be cut readily and accurately to a predetermined cut.

TO ADJUST SAW TO CUT TRUE the front and back Uprights can be tipped to right or left by means of the two screws (MB88) on the front of each Base (see Fig. 2). To do this first slightly loosen the Tightening Screw (MB87). To tip to the right, loosen the right hand screw and tighten the left hand screw. To tip to the left, loosen the left hand screw and tighten the right hand screw. When adjusted, tighten screw (MB87).

THE SAW GUIDE CATCH (MB85) at the top of the front Upright "F" can be released by the hand or by the use of the trip (MB86) attached to the Saw. The Saw Guide Catch (MB84) at the top of the rear Upright "B" will be automatically released by dropping the handle of the Saw.

THE SWIVEL (MB61) has a tapered index pin (MB100) which engages in holes on the under side of the Quadrant (X). These holes are made at the commonly used angles allowing 3, 4, 5, 6, 8, 12, and 24 sided figures to be cut. The Swivel will lock any place between holes, if however, it is desired to clamp close to one of the index holes it may be necessary to insert a brad in the Pin (MB100) to keep it from sliding into the index hole. To increase the tension of clamp between holes turn Screw (MB106) in as condition requires. For normal use, however, there should be only enough tension to raise Clamping Lever (MB64) about $1/8$ " from the heads of the Clamp Screws (MB68).



TO ADJUST SWIVEL HORIZONTALLY — Pin (MB100) controls position of Swivel. It can be adjusted eccentrically with screws (MB 107) by turning one out and the other in.

THE CLAMPING LEVER (MB64) under the front of the Swivel may be held up by means of a Swinging Thumb Lever or Catch (MB66), permitting the Swivel and Saw to be swung to any line of the Quadrant or to a line marked on the board to be sawed. When the Thumb Lever is released, the Swivel automatically locks.

THE SPUR SCREWS (MB54) can be turned out slightly to hold the work from slipping.

STOCK GUIDES (MB58) hold all kinds of ordinary work tightly against the back. These stock guides will also support curved and irregular shaped pieces and hold work so that angles of less than 30 degrees may be cut — first push the stock guides to the back of the box — place work in position — then move the stock guides forward so that they touch the work in position desired.

TWO CONE POINTED LEVELING SCREWS (MB98) on the rear feet prevent the box from sliding when in use and can be used to level up the box if necessary.

THE LENGTH STOP (Fig. 3) inserted in the Mitre Box at "E" (Fig. 1) permits sawing duplicate pieces to equal lengths and can be used either right or left hand. The two Extension or Gauge Rods furnished with each box are of sufficient length for all ordinary work, but for extra long work, additional lengths of 5-16 inch Rods may be purchased at your hardware store or from the factory, and fastened together by couplings. One coupling (MB95) is furnished with each Box. Additional couplings can be purchased from the Factory at slight cost.

THE LENGTH STOP STAND (MB92) can be fastened to the bench by means of a nail, "N" to steady the Stop when cutting long work.

CARE OF SAW—A saw that has not been sharpened properly or one that is bent will not cut square. If the Mitre Box turns out inaccurate work make sure that it isn't the fault of the saw. If possible try out a new saw in the Box. To sharpen the saw follow the instructions given in the Saw Set folder packed with the Mitre Box.

See Other Side!

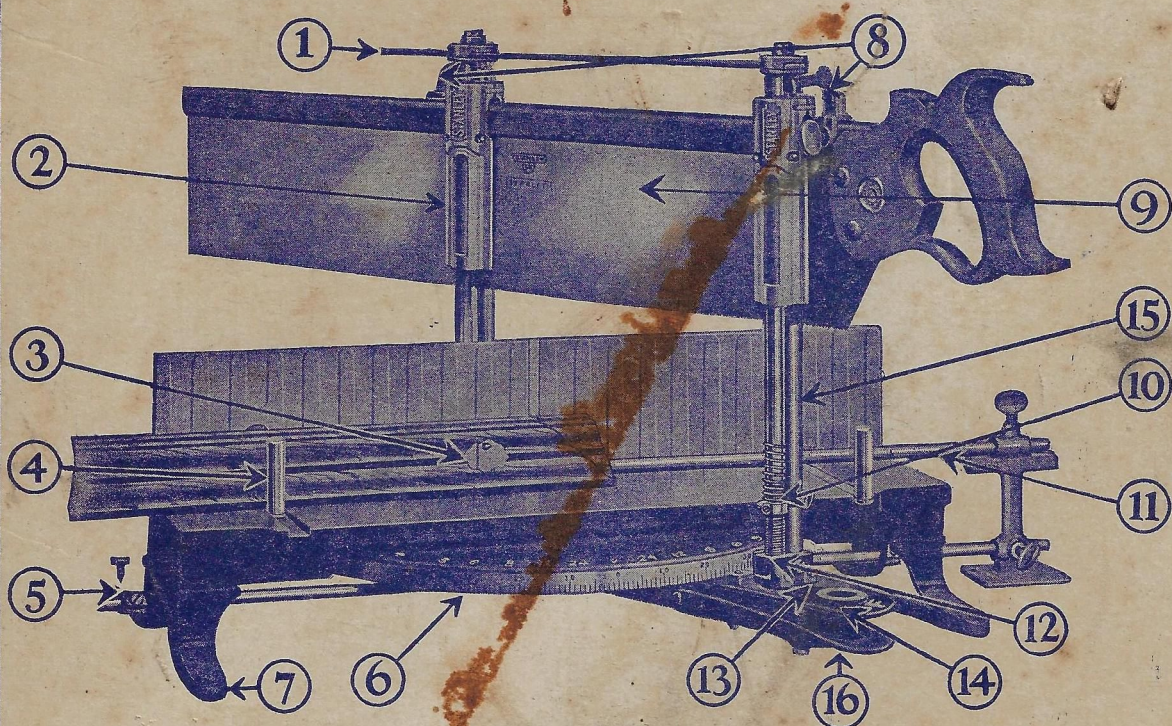


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THE TOOL BOX OF THE WORLD

*Don't overlook these 16 features
when you select a Mitre Box*



They are the superior features of STANLEY MITRE BOXES

1. Tie Bar at the top steadies and gives great rigidity to the uprights.
2. Roller Bearings in Saw Guides assure smooth and easy operation and eliminate wear on saw and guides. Maximum amount of guidance for saw in positions.
3. Adjustable Spurs in back keep work from slipping.
4. Stock guides hold all ordinary work tightly against the back. They support curved and irregular shaped pieces and also hold the work so angles less than 30 degrees can be cut.
5. Pointed Screws level the box and stop it from sliding.
6. Quadrant is graduated in degrees and is also numbered for sawing 3, 4, 5, 6, 8, 12 and 24 sided figures. In addition, the self-clamping swivel locks in any position between the numbered index holes.
7. Detachable Legs of Malleable iron. They are practically unbreakable.
8. Automatic Catches hold the saw above work so that both hands can be used to place the work. They release the saw when the trip engages the front catch.
9. A first quality Back Saw.
10. Fixed stops threaded on the uprights prevent sawing below the base board. Adjustable stops are provided to aid in sawing to a given depth. A heavy spring on the upright lifts the saw out of any kerf cut in the board and permits the swivel to be moved without lifting the saw.
11. Length stop makes it possible to saw duplicate pieces of practically any length. It can be used either right or left hand.
12. Uprights are held in a steel base. They can be turned to fit a saw of any thickness.
13. Uprights are adjustable vertically so that saw will always cut square to the base.
14. Two Sockets permit the use of a long or short saw.
15. Can be made very compact for carrying by removing the uprights.
16. Lock Lever on Swivel Clamp permits it to be moved freely and easily to position desired.

Sixteen convincing reasons why Stanley Mitre Boxes are the choice of particular craftsmen the world over

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